

Mourad GUESRI

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PROFILE:

- Highly self-motivated Ph.D. candidate with demonstrated research expertise studying soil erosion and climate variability
- Excellent data analysis and visualization skills
- Excellent multi-tasking skills
- Computer skills:
 - Maintenance of operating systems, Office (Word, Excel, PowerPoint)
 - Hydraulics & Hydrology: ArcGis, QGIS, Xlstat, MatLab, Khronostat, HecRas, AutoCad, Covadis, ePanet, RubarBE, Pascal
 - Design & video: Photoshop, Adobe Premiere, Ulead Photo Express, AVS Video Editor.

RESEARCH INTERESTS:

- Soil erosion modelling (USLE, MUSLE, RUSLE, RUSLE2, SWAT...);
- Rainfall erosivity study;
- Use of artificial intelligence techniques ;
- GIS and remote sensing

EDUCATION

- | | |
|--------------------|---|
| 2014 - 2020 | <ul style="list-style-type: none">▪ PhD. in Hydraulics - University of Abou Bekr Belkaid Tlemcen/ Algeria
Specialty: Water Science Technology
Thesis: "Influence of climate variability on sediment production" |
| 2012 - 2014 | <ul style="list-style-type: none">▪ Master in Hydraulics (ranked 1st) - University of M'sila/ Algeria
Specialty: Urban Hydraulics
Thesis: "Hydraulic modelling of an Algerian wadi taking into account the effect of energy dissipation (case of the K'sob wadi)" |
| 2012 - 2008 | <ul style="list-style-type: none">▪ Bachelor Degree - University of M'sila/ Algeria
Specialty: Urban hydraulics
Thesis: "Dimensioning of the sewerage network of Pos El-Batene Commune of Bousaâda" |
| 2007 - 2008 | <ul style="list-style-type: none">▪ Baccalaureate - High school of Salah-eddine elayoubi (M'sila) / Algeria
- Natural and life sciences |

TEACHING EXPERIENCE

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|-------------------|--|
| 2021 -2021 | <ul style="list-style-type: none">▪ Contracted teacher at University of M'sila /Algeria<ul style="list-style-type: none">- Faculty of Technology/ Department of Hydraulics- Taught subjects: Numerical hydraulics,
Hydraulic machines and pumping stations |
| 2016 -2017 | <ul style="list-style-type: none">▪ Contracted teacher at University of M'sila /Algeria<ul style="list-style-type: none">- Faculty of Technology/Department of Technical Sciences- Taught subjects: programming with Pascal |

PROFESSIONAL EXPERIENCE

- July 2019**
 - **Scientific internship** at University UCAM San Antonio de Murcia/ Spain
 - Department of Civil Engineering
 - Topic: Hydrological modelling using the SWAT tool
- 2013 –2014**
 - **Hydraulic engineer** at SARL les ingénieurs ZAHRAA (technical design office) /Algeria
 - VRD (Drinking water supply and sewerage networks)
 - Study and follow-up of state projects

PUBLICATIONS

- March - 2020**
 - Guesri, M., Megnounif, A., & Ghenim, A. N. (2020). Rainfall erosivity and sediment yield in Northeast Algeria: K'sob watershed case study. Arabian Journal of Geosciences, 13, 1-11. »

CONFERENCE PAPERS

- Oct - 2018**
 - **International Seminar "Agriculture 4.0: Rural Engineering for the Environment" (Algiers, Algeria)**
"Examination of soil degradation in the Ksob watershed (North-East Algeria)"
- May - 2018**
 - **3rd International Conference on the Hydrology of the Great African Basins (Algiers, Algeria)**
"Erosivity index estimation from annual and monthly rainfall data in semi-arid areas in North Africa"
- March - 2017**
 - **WREIANA'2017 International Symposium (Gafsa, Tunisia)**
"Study of the solid transport in suspension in the Soubella catchment area (North-East Algeria)"
- March - 2017**
 - **1st Atlas Georesources International Congress 2017 (Hammamet, Tunisia)**
"Analysis of rainfall irregularity and its consequences on water resources (case of the K'sob basin, North-East Algeria)"
- Dec - 2016**
 - **4th National Seminar on Water and Environment 2016 (University of Chlef)**
"Characterization of the drought in the K'sob watershed by the Standardized Precipitation Index (SPI)"
- May - 2016**
 - **DOCTORIAL 1st EDITION : 24 May 2016 (University of Tlemcen, Algeria)**
"Influence of climate variability on sediment production"

WEBINARS

- Dec - 2020**
 - Workshop "Application of Remote Sensing and GIS for Water, Environment, Land and Society"
- Nov - 2020**
 - School for Young Scientists Seminar "Pollutant and sediment mobility in river systems: monitoring studies to identify human impacts"/ Moscow, Russia
- Nov - 2020**
 - eMWRE Webinar Series on Free and Open Source Software for Water Resources Engineering: "QGIS, Python, SWAT & ModFlow"
- Oct - 2020**
 - Seminar: "Esri [Live] GIS 2020 Conference" / ESRI France

Sept - 2020	▪ Step-by-step Guide on How to Prepare a Successful Paper - Algeria" / Springer Nature & CERIST
Sept - 2020	▪ Scopus: Search, Discover, and Analyze (60 min)" / Elsevier Researcher Academy
August - 2020	▪ Seminar: "the QGIS for preparing and visualising hydrological data" / Australian Water School
June - 2020	▪ Seminar "The C3S Demo Case SOIL EROSION: projecting rainfall erosivity and soil loss under climate change through Copernicus"/ by centre euroméditerranéo sui cambiamenti climatici/ Italy
May - 2020	▪ Web of Science Group/ clarivate analytics webinar series on : - Collaboration and funding, Preparation of the manuscript and journal selection
April - 2020	▪ Web seminar: "Creating a website to enhance the value of your geographic data" / ESRI France.

COURSES

Oct - 2019	▪ Open Water Symposium 2019/ UNESCO/Rabat, Morocco - SWAT+ software training
Feb - 2018	▪ French-speaking Digital Campus of Algiers – USTHB /Algeria - Training/ Scientific article: how to succeed in publishing?
Jan - 2018	▪ French-speaking Digital Campus of Algiers - USTHB/Algeria - Training on Statistical Data Processing with R Software
April - 2017	▪ 8th International Algerian-Roman Days /Algeria - Training on GIS (geographic information systems)
2013 - 2014	▪ Injaz El Jazair Program (Company Program) /Algeria - Entrepreneurship training for young academics
Dec - 2014	▪ AL AMAL GLOBAL ACAMEDY ■ (State approved training school) /Algeria - Training in AUTOCAD 2D

LANGUAGES

Arabic	▪ Native;
English	▪ Read, written, spoken (Basic) ;
French	▪ Read, written, spoken (Fluent)

WORK STYLE

- ✓ Great computer management capacity ;
- ✓ The ability to constantly learn new things and adapt to new environments quickly;
- ✓ Great discipline at work ;
- ✓ Dynamic and team player;
- ✓ Like to read books and play sports;